

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) A positioning device that comprises:
an arched arm; and
a base[[],]; and
an X-ray detector or an X-ray source, but not both,
~~wherein an X-ray detector or an the X-ray source can be supported on the~~
arched arm and displaceable in the direction of the arch of the arched arm, ~~and~~
wherein the arched arm is supported by the base and is displaceable in the
direction of the arch.

2. (Previously Presented) The positioning device according to claim 1,
wherein the arched arm is supported in a second arched arm and displaceable in
the direction of the arch of the second arched arm; and
wherein the second arched arm is supported in the base and is displaceable in
the direction of the arch of the second arched arm.

3. (Currently Amended) The positioning device according to claim 1,
wherein the X-ray detector or the X-ray source ~~can be is~~ supported in the arched
arm and movable in the radial direction relative to the arch of the arched arm.

4. (Currently Amended) A patient-support device comprising:
a positioning device comprising: (1)
an arched arm; and
a base[[,]]; and
an X-ray detector or an X-ray source, but not both,
~~wherein an X-ray detector or an X-ray source can be supported on the arched arm and displaceable in the direction of the arch of the arched arm, and wherein the arched arm is supported by the base and is displaceable in the direction of the arch of the arched arm.~~

5. (Previously Presented) The patient-support device as defined by claim 4, having a patient-support table, wherein the positioning device is located underneath the patient-support table.

6. (Currently Amended) An X-ray machine comprising
a patient-support device comprising:
an arched arm; and
a base,
wherein an X-ray detector or an X-ray source ~~can be~~is supported on the arched arm and displaceable in the direction of the arch of the arched arm, and
wherein the arched arm is supported by the base and is displaceable in the direction of the arch of the arched arm; and
the other of the X-ray detector or the an X-ray source supported movably in all

directions in space and located separately from the ~~positioning patient-support~~ device.

7. (Previously Presented) The X-ray machine according to claim 6, which has a control unit that is connected to the X-ray source and the positioning device, wherein the control unit is embodied so as to move the X-ray source and the positioning device in a manner adapted to one another, so that they assume a predetermined orientation to one another.

8. (Currently Amended) An X-ray machine comprising
a patient-support device comprising:
an arched arm; and
a base,
wherein an X-ray detector or an X-ray source ~~can be~~is supported on the arched arm and displaceable in the direction of the arch of the arched arm, and wherein the arched arm is supported by the base and is displaceable in the direction of the arch of the arched arm; and

the other of the X-ray source or the an X-ray detector supported movably in all directions in space and located separately from the positioning patient-support device.

9. (Previously Presented) The X-ray machine as defined by claim 8, which has a control unit that is connected to the X-ray detector and the positioning device, wherein the control unit is embodied so as to move the X-ray detector and the positioning device in a manner adapted to one another, so that they assume a

predetermined orientation to one another.

10. (Currently Amended) The positioning device according to claim 2, wherein the X-ray detector or the X-ray source ~~can be~~is supported in the arched arm and movable in the radial direction relative to the arch of the arched arm.

11. (Previously Presented) The patient-support device as defined by claim 4 having a patient-support table, wherein the positioning device is located underneath the patient-support table.

12. (previously presented) The patient-support device as defined by claim 4 wherein the X-ray source is supported movably in all directions in space and located separately from the positioning device.

13. (previously presented) The positioning device according to claim 10 wherein the X-ray source is supported movably in all directions in space and located separately from the positioning device.

14. (Previously Presented) The positioning device according to claim 13, which has a control unit that is connected to the X-ray source and the positioning device, wherein the control unit is operable to move the X-ray source and the positioning device in a manner adapted to one another, so that the X-ray source and the positioning device assume a predetermined orientation to one another.

15. (Previously Presented) The patient-support device according to claim 12, which has a control unit that is connected to the X-ray source and the positioning device, wherein the control unit is operable to move the X-ray source and the positioning device in a manner adapted to one another, so that the X-ray source and the positioning device assume a predetermined orientation to one another.